# Data Management & QA

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Definition

Turn DATA into INFORMATION

- It's not a concept itself, but a bunch of components that altogether become a **process**.
- We all have to deal with DM issues sooner or later.

Example

The whole process... for example

| DATA COLLECTION	DATA HANDLING	DATA PRODUCTION	DATA ANALYSIS	DATA DISSEMINATION
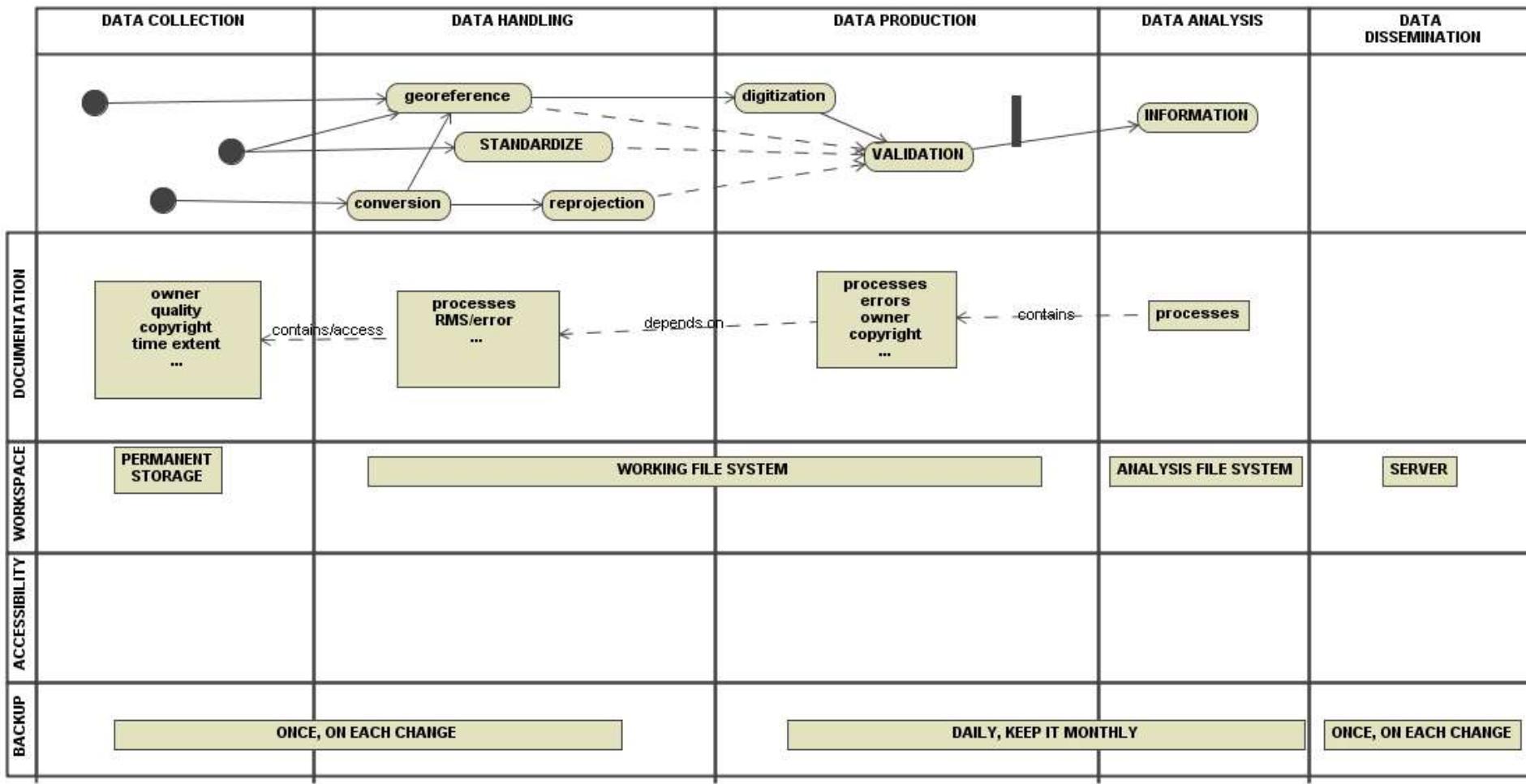
Need of DM?

Data come from different sources:

- Temporal resolution
- *semantica*
- Projection
- Scale
- Format
- ...

Need of DM?

- ...in a variety of geospatial data for

- AutoCad/Microstation
- ArcInfo/Intergraph/GeoMedia/MapInfo
- freeGis
- Oracle/Informix/SQL Server/DB2
- MS Access/MS Excel
- MS Word/
- …
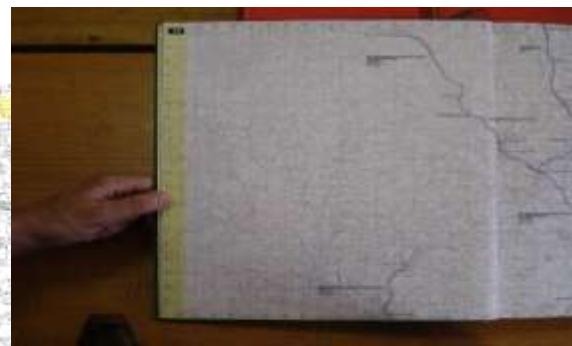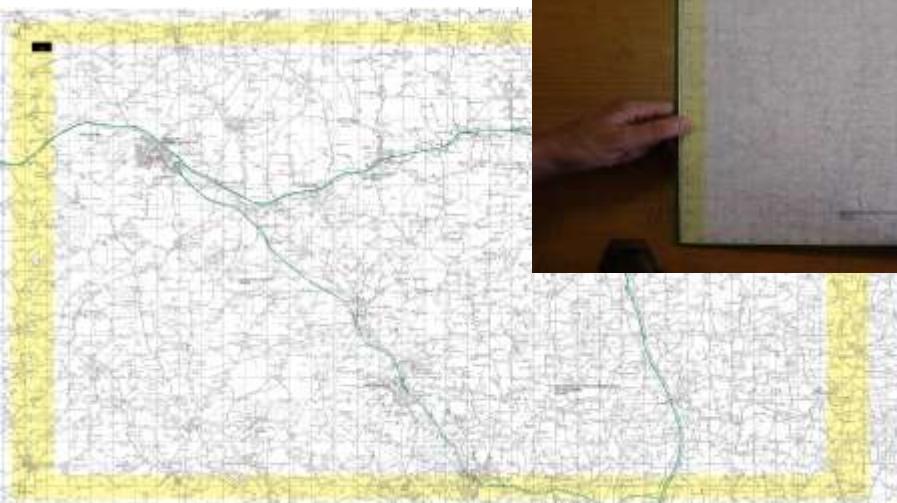
.doc
.txt
.shp   .pdf
.mif
.dbf
.xls
.mdb
paper   .xml
.html
.gif   .jpg
.tiff
.sid
.png
.raw   .img
.ecw

Need of DM?

... regarding different subjects

- Environmental hazards
- Transportation
- Urban sprawl
- Demography
- ...

Concepts

- Data Repository
- Data Dictionary
- Accuracy
- Content Management System vs File System
- Accessibility